

Brown Ser. No.08/727,505

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**Official****ABSTRACT**

A telecommunications network is disclosed for linking a plurality of premises, comprising, typically, a fiber optic or coaxial cable, and a plurality of electrical power cables each connected to a respective one of the premises for supplying mains electrical power thereto. Each of the power cables is also connected to the fiber optic or coaxial cable so that telecommunications signals are transmissible between the fiber optic or coaxial cable and each of the power cables. A telecommunications signal is transmissible to the plurality of premises by being transmitted along the fiber optic or coaxial cable and subsequently along the respective power cable of each of the premises.